

A GAT CTG GCC AGC GCC GTG GGC ATC CAG TCC GGC AGC ATC TTT CAT CAC TTC AAG AGC AAG
 ▶ D L A S A V G I Q S G S I F H H F K S K
 GAT GAG ATA TTG CGT GCC GTG ATG GAG GAA ACC ATC CAT TAC AAC ACC GCG ATG ATG CGC
 ▶ D E I L R A V M E E T I H Y N T A M M R
 GCT TCA CTG GAG GAG GCG AGC ACG GTG CGC GAA CGC GTG CTG GCG CTG ATC CGC TGC GAG
 ▶ A S L E E A S T V R E R V L A L I R C E
 TTG CAG TCG ATC ATG GGC GGC AGT GGC GAG GCC ATG GCG GTG CTG GTC TAC GAA TGG CGC
 ▶ L Q S I M G G S G E A M A V L V Y E W R
 TCG CTG TCG GCC GAA GGC CAG GCG CAC GTG CTG GCC CTG CGT GAC GTG TAT GAG CAG ATC T
 ▶ S L S A E G Q A H V L A L R D V Y E Q I

FIG. 1A

AGATCTTGAGCGTCAAGTGCCTGGGGTACGCCCTTTTCATCGCTCCGGCGGATCGAGAGTGGTGT
 ▶ D L E R H E C L G Y A F S S R P A D R E W V
 R T R R I S L P H
 TTTTTCAGGCACGGTTTCTACAGGTACGAGTGGCCAGCCGTTTGTCTCATCAATGAAGCCGGCA
 ▶ F Q G T V S Y K V R V A S R L L I N E S R A
 ◀ K K L A R N G V L Y S H G A T Q E D I F A P C
 TTGATGTCGGCGGCATTTGGATGTTTGGCATAAGTGTCCGCCCGCAAGACTTCTGCCAACGGCGTT
 ▶ L M S A A L D G F G I V L G P Q D F L R T A L
 ◀ Q H R R C Q I T K A Y H E A R L V E Q S R R Q
 GCGAGTGGCGAGTTGGTGGGGTGTTCGGGAGTTTGAGGCTCCGAGTCGGTCGATGCATTGGTCT
 ▶ A S G E L V R V L P E F E A P S R S M H L V
 ◀ R T A L Q H P H Q R L K L S R T P R H M Q D
 ACACCGCAACCGCCAGCGTACCGCCAAGTTGCGCTGCTTTGTGAGACTGTGCTGGACGTTTGGT
 ▶ Y T A N R Q R T A K L R C F V E T V L G R F G
 ◀ V G C V A L T G G L Q A A K D L S H Q S T K T
 CCGGTATGAAGAGCACCCACCGTGGCGGTGCGCCGGGANGCACCTAAAGATCT
 ▶ P V
 ◀ R Y S P A G G H R D G P - V

FIG. 1B

| | Diagnosis | Tissue | | N | N(+) | %Pos |
|-------|-----------|--------|------------|-----|------|------|
| | CD | Ileum | Involved | 46 | 25 | 54.3 |
| | CD | Colon | Involved | 35 | 15 | 42.9 |
| | CD | Ileum | Uninvolved | 14 | 6 | 42.9 |
| | CD | Colon | Uninvolved | 26 | 5 | 19.2 |
| | | | | | | |
| | UC | Colon | Involved | 22 | 2 | 9.1 |
| | UC | Colon | Uninvolved | 20 | 3 | 15.0 |
| | | | | | | |
| | Ca | Colon | Uninvolved | 15 | 2 | 13.3 |
| | Ca | Ileum | Uninvolved | 7 | 3 | 42.9 |
| | Divertic | Colon | Uninvolved | 7 | 0 | 0.0 |
| | Append | Colon | Uninvolved | 5 | 0 | 0.0 |
| | I-Col | Colon | Uninvolved | 15 | 0 | 0.0 |
| Total | | | | 212 | 61 | |

FIG. 3

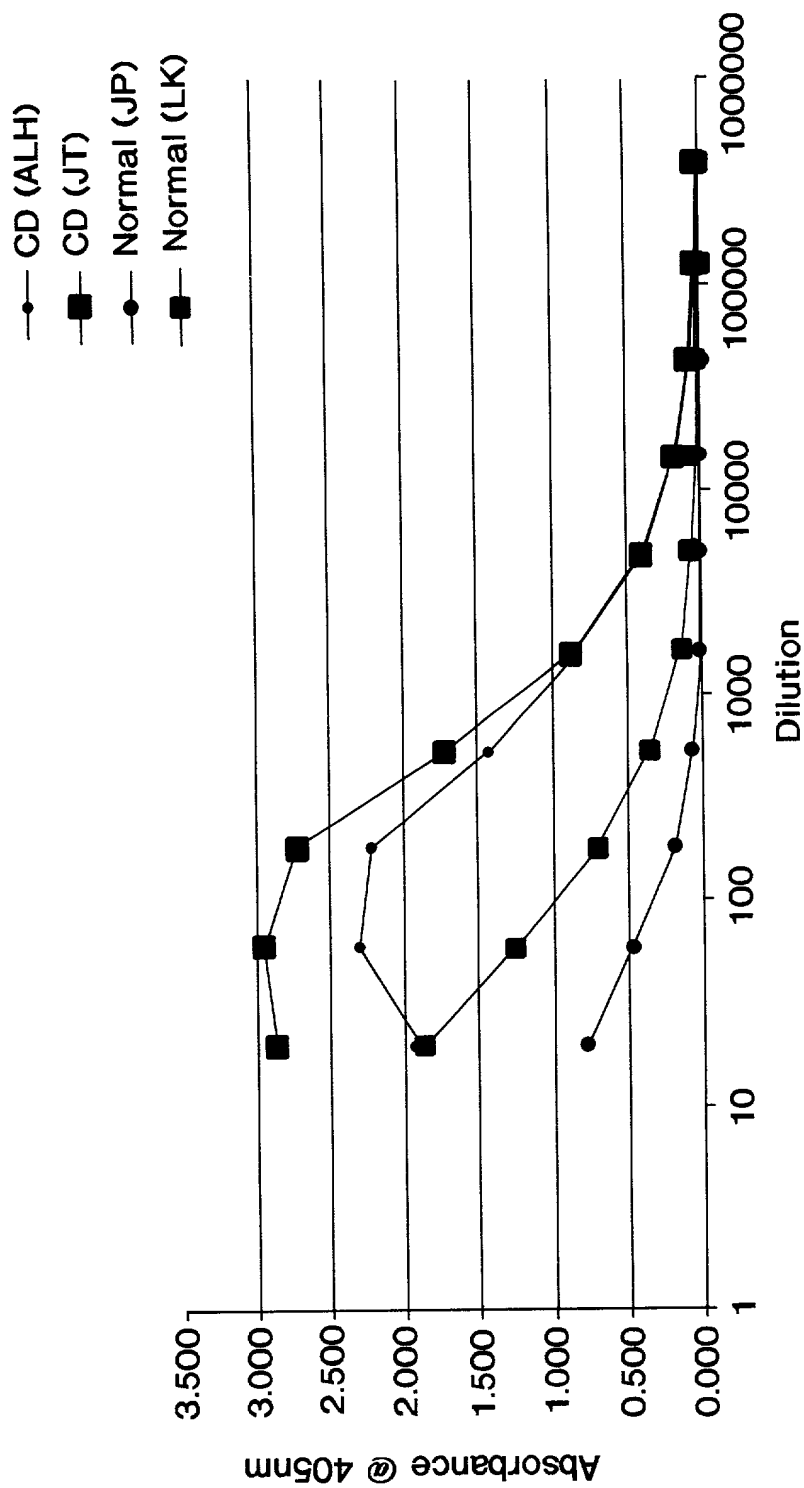


FIG. 4A

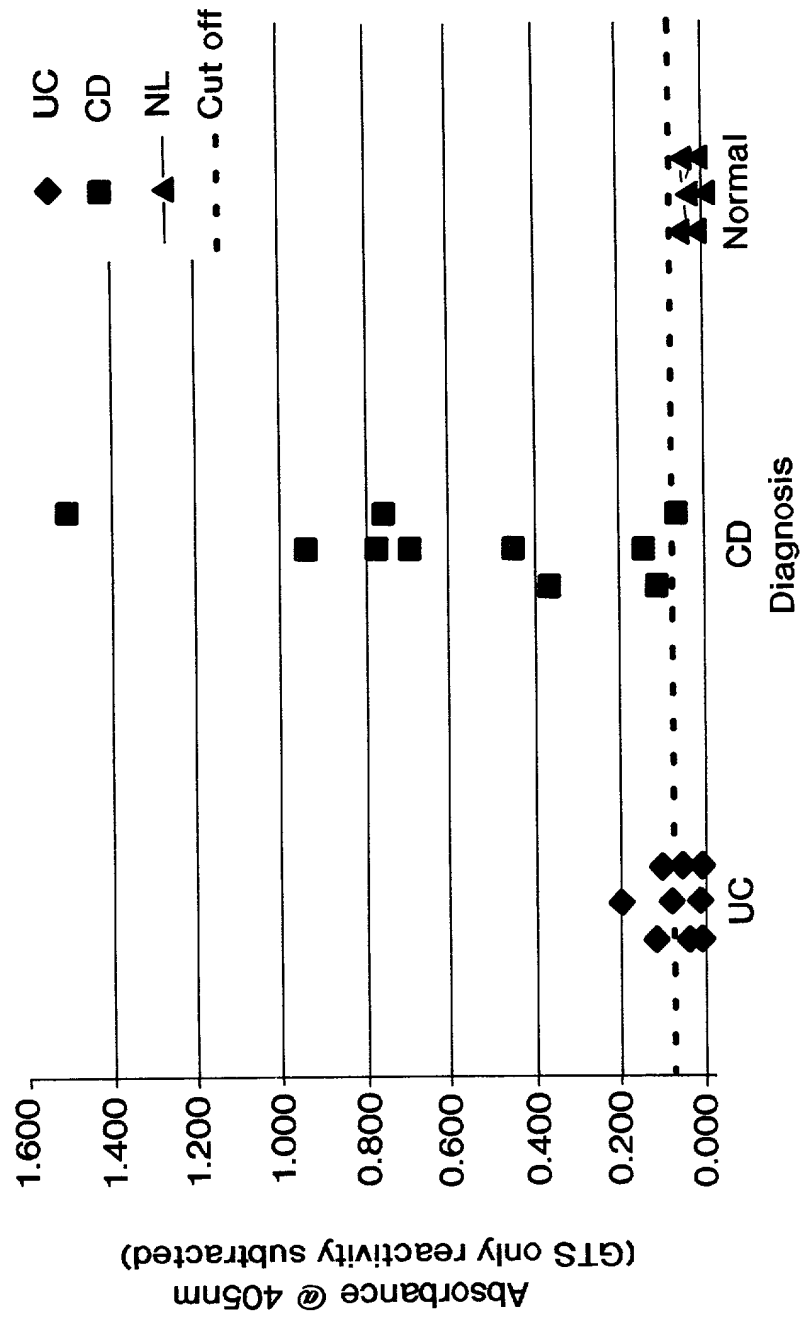


FIG. 4B

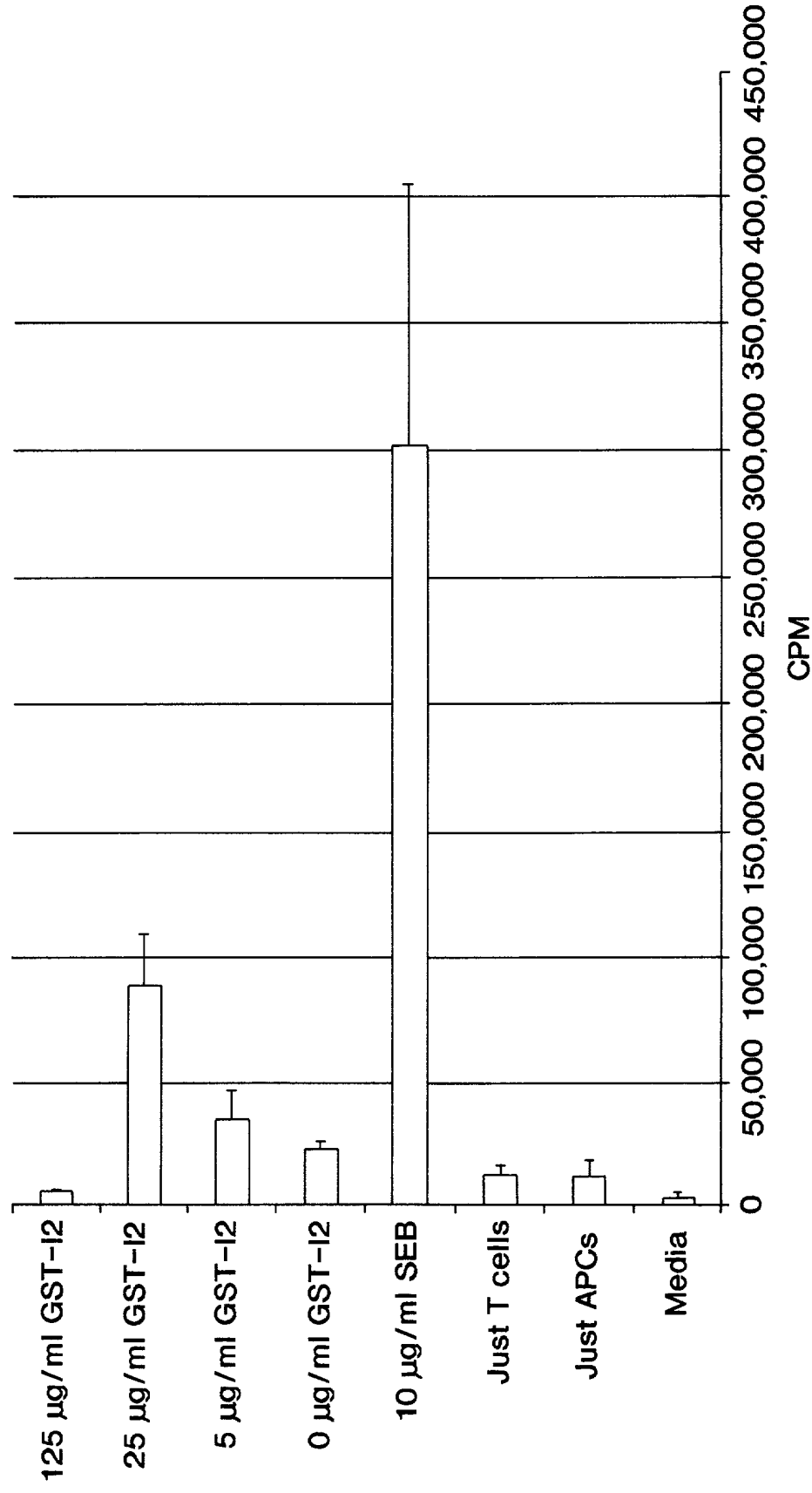


FIG. 5

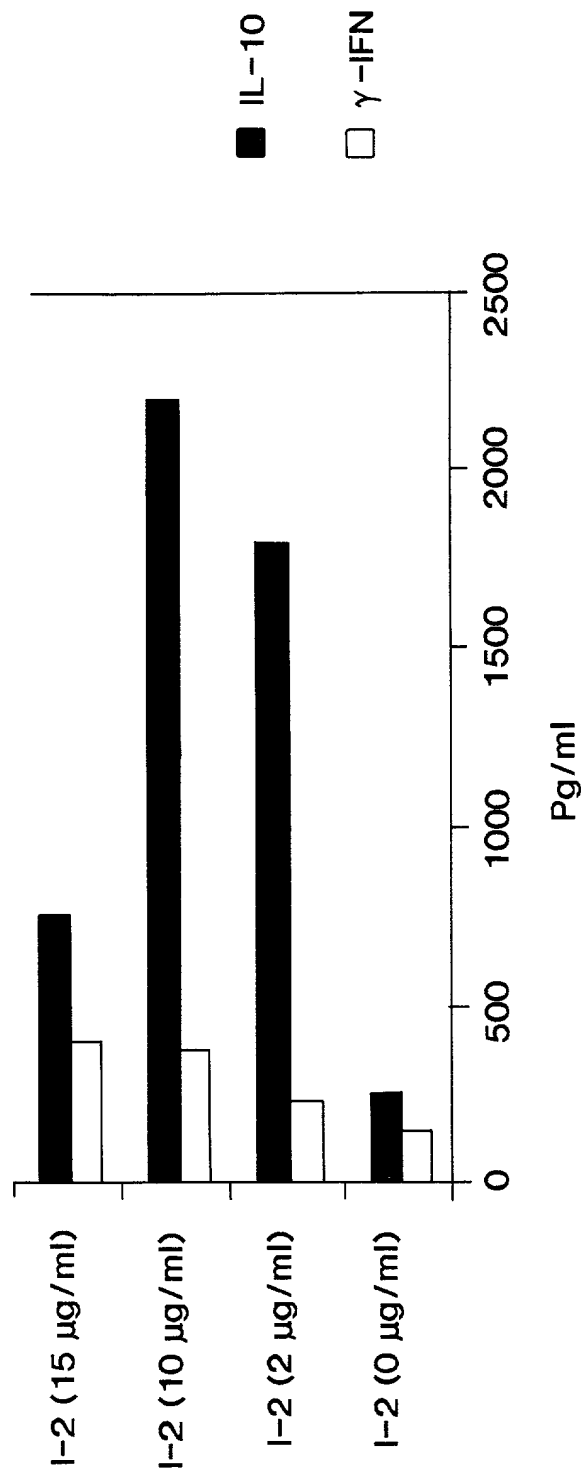


FIG. 6

| Medium | Incubation | Organism |
|---|--|--------------------------------|
| Trypticase soy agar | O ₂ | Aerobes |
| McConkey | O ₂ | <i>Enterobacteriae</i> |
| Sabouraud dextrose with Chloamphenical and gentamycin | O ₂ | Yeast |
| Bile eculin agar | O ₂ | <i>Enterococcus</i> |
| Chocolate | CO ₂ | <i>Haemophilus</i> |
| CDC | An O ₂ | Anaerobes |
| Brucella | An O ₂ | Anaerobes |
| EYA+neomycin | An O ₂ | <i>Clostridium</i> |
| EYA+heat treatment | An O ₂ | <i>Clostridium</i> |
| CDC+heat treatments | An O ₂ | <i>Clostridium</i> |
| CCFA+heat treatment | An O ₂ | <i>C.difficile/Clostridium</i> |
| EYA+ethanol treatment | An O ₂ | <i>Clostridium</i> |
| CDC+ethanol treatment | An O ₂ | <i>Clostridium</i> |
| CCFA+ethanol treatment | An O ₂ | <i>C.difficile/Clostridium</i> |
| BBE | An O ₂ | BFG |
| LKV | An O ₂ | Pigmenters |
| <i>Fusobacterium</i> selective medium | An O ₂ | <i>Fusobacterium</i> |
| PEA | An O ₂ | Gpc |
| CFA | An O ₂ | <i>C.difficile</i> |
| LAMVAB | An O ₂ | <i>Lactobacillus</i> |
| RB | An O ₂ | <i>Bifidobacterium</i> |
| BBE+vancomycin | An O ₂ | <i>Bilophila, Sutterella</i> |
| Modified BGSA for Campylobacter | An O ₂ , 6%O ₂ (37C), 6%O ₂ (42C) | <i>Campylobacter</i> |
| Campy CVA(CSL) | An O ₂ , 6%O ₂ (37C), 6%O ₂ (42C) | <i>Campylobacter</i> |
| Modified Skirrow | An O ₂ , 6%O ₂ (37C), 6%O ₂ (42C) | <i>Helicobacter pylori</i> |

FIG. 7